Page : : 2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-13. (canceled)

14. (currently amended) An air-lock valve comprising:

a housing having an opening configured to be traversed by a flexible band substrate; and

at least one moveable sealing body cooperating with a sealing surface of the housing for closing the opening during a closing phase of the air-lock valve, with the band substrate being clamped between the at least one movable sealing body and the sealing surface;

wherein the sealing surface surrounds the opening in a frame like fashion, and the opening is closed vacuum tight by pressing the at least one movable sealing body upon the sealing surface and/or upon the band substrate traversing the opening such that the at least one movable sealing body closes the opening at least through indirect abutting at edges of the sealing surface; and

wherein the at least one movable sealing body and the sealing surface each have an arcuate contour and a radius of the sealing surface is larger or equal to the radius of the at least one movable sealing body.

15. (previously presented) The air-lock valve according to claim 14, wherein:

the band substrate may be forced through the at least one movable sealing body against a sealing edge of the opening at the sealing surface, such that, in the area of the sealing edge, a tangent of the at least one movable sealing body produces an obtuse angle towards the longitudinal or traversing direction of the band substrate.

Applicant Appln. No.

: Stefan Hein : 10/574,867

Page :

: 3

16. (previously presented) The air-lock valve according to claim 15, wherein:

the at least one movable sealing body and the sealing surface each have an arcuate contour and a radius of the sealing surface is larger or equal to the radius of the at least one movable sealing body.

- 17. (previously presented) The air-lock valve according to claim 16, wherein: the sealing surface and/or the at least one movable sealing body are provided with an elastically flexible surface material.
- 18. (previously presented) The air-lock valve according to claim 16, wherein: the at least one movable sealing body comprises a cylindrical roll.
- 19. (previously presented) The air-lock valve according to claim 15, wherein: the at least one movable sealing body comprises a cylindrical roll.
- 20. (previously presented) The air-lock valve according to claim 15, wherein: the sealing surface and/or the at least one movable sealing body are provided with an elastically flexible surface material.
- 21. (canceled)
- 22. (currently amended) The air-lock valve according to claim 21 claim 14, wherein: the at least one movable sealing body comprises a cylindrical roll.
- 23. (previously presented) The air-lock valve according to claim 22, wherein: the sealing surface and/or the at least one movable sealing body are provided with an elastically flexible surface material.

Page : : 4

- 24. (previously presented) The air-lock valve according to claim 14, wherein: the sealing surface and/or the at least one movable sealing body are provided with an elastically flexible surface material.
- 25. (previously presented) The air-lock valve according to claim 14, wherein: the sealing surface comprises a planar, flexible material, being tightly connected, with a wall section in frame-like fashion in an area of a circumferential border of the opening.
- 26. (previously presented) The air-lock valve according to claim 14, wherein: the at least one movable sealing body is a single cylindrical roll configured to close the opening.
- 27. (previously presented) The air-lock valve according to claim 14, wherein: the at least one movable sealing body is rotably mounted.
- 28. (previously presented) The air-lock valve according to claim 14, wherein: the at least one movable sealing body is moved between an inactive and a closed position by a separate power drive.
- 29. (previously presented) The air-lock valve according to claim 28, wherein: the separate power drive is provided at or inside the housing.
- 30. (previously presented) The air-lock valve according to claim 14, wherein: the at least one movable sealing body is firmly tightened against the sealing surface with a predetermined bearing load by an accumulator.
- 31. (currently amended) A processing plant for traversing band-like substrates comprising: at least one evacuable processing chamber; at least another chamber associated with the at least one evacuable processing chamber

Page : : 5

for unrolling or winding up the band substrate;

the chambers are interconnected through an opening through which the band substrate is guided; and

at least one air-lock valve provided at the opening;

the at least one air-lock valve comprising:

a housing having the opening; and

at least one moveable sealing body cooperating with a sealing surface of the housing for closing the opening vacuum tight during a closing phase of the air-lock valve, with the band substrate being clamped between the at least one movable sealing body and the sealing surface;

wherein the sealing surface surrounds the opening in a frame-like fashion, and the opening is closed by pressing the at least one movable sealing body upon the sealing surface and/or upon the band substrate traversing the opening such that the at least one movable sealing body closes the opening at least through indirect abutting at edges of the sealing surface; and

wherein the at least one movable sealing body and the sealing surface each have an arcuate contour and a radius of the sealing surface is larger or equal to the radius of the at least one movable sealing body.

- 32. (previously presented) The processing plant according to claim 31, wherein: the at least one movable sealing body of at least one air-lock valve and the sealing surface are turned towards the at least another chamber to be occasionally ventilated.
- 33. (previously presented) The processing plant according to claim 31, wherein: the at least one movable sealing body comprises a cylindrical roll.
- 34. (previously presented) The air-lock valve according to claim 31, wherein: the at least one movable sealing body is moved between an inactive and a closed position by a separate power drive.

Applicant Appln. No. : 10/574,867

: Stefan Hein

Page:

: 6

35. (previously presented) The air-lock valve according to claim 31, wherein:

the at least one movable sealing body is firmly tightened against the sealing surface with a predetermined bearing load by an accumulator.

- 36. (previously presented) The air-lock valve according to claim 31, wherein: the at least one movable sealing body is a single cylindrical roll configured to close the opening.
- 37. (previously presented) The air-lock valve according to claim 14, wherein: the sealing surface surrounding the opening is arcuate and the body is a cylindrical roll configured to engage the arcuate sealing surface.
- 38. (previously presented) The processing plant according to claim 31, wherein: the sealing surface surrounding the opening is arcuate and the body is a cylindrical roll configured to engage the arcuate sealing surface.
- 39. (previously presented) The air-lock valve according to claim 14, wherein: the at least one movable sealing body closes the opening by abutting the sealing surface to wholly overlap the opening.
- 40. (previously presented) The processing plant according to claim 31, wherein: the at least one movable sealing body closes the opening by abutting the sealing surface to wholly overlap the opening.
- 41. (previously presented) The air-lock valve according to claim 28, wherein:

the at least one movable sealing body is spaced from the sealing surface and configured to be spaced from the flexible substrate when in the inactive position.

Page : : 7

42. (previously presented) The air-lock valve according to claim 34, wherein:

the at least one movable sealing body is spaced from the sealing surface and configured to be spaced from the flexible substrate when in the inactive position.